

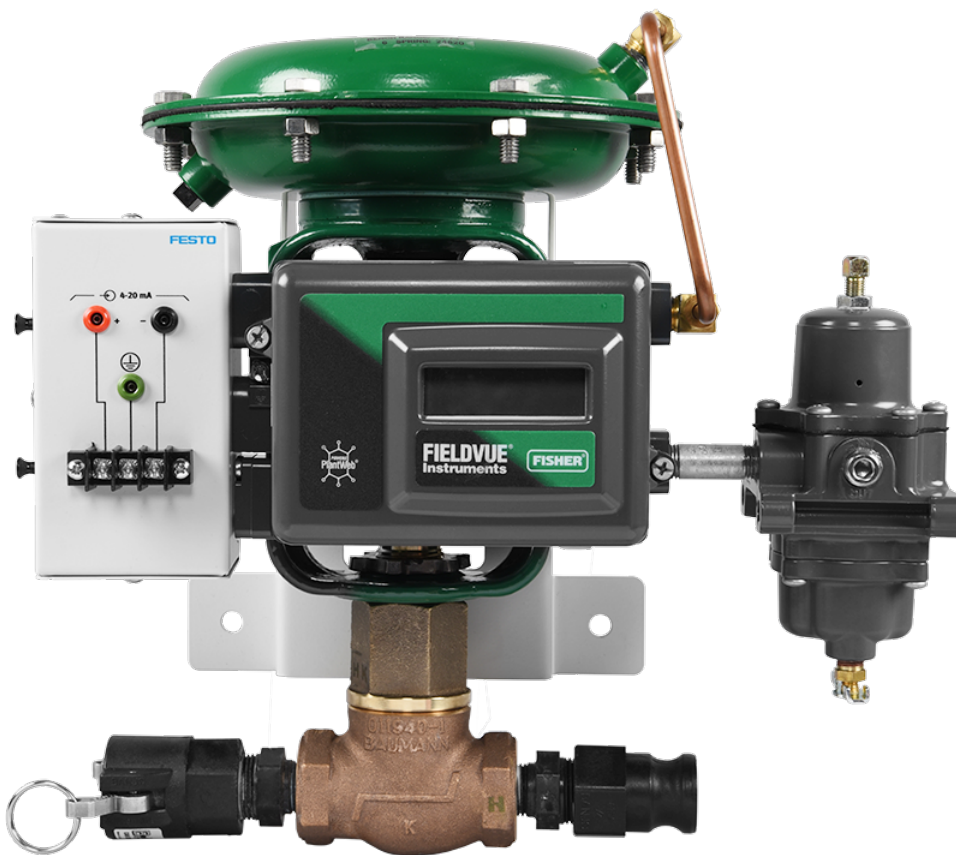
Pneumatic Control Valve (with Digital Positioner, HART) - DVC 2000

588357 (46950-00)

FESTO

LabVolt Series

Datasheet



* The product images shown in this document are for illustration purposes; actual products may vary. Please refer to the Specifications section of each product/item for all details. Festo Didactic reserves the right to change product images and specifications at any time without notice.

Festo Didactic
en 120 V - 60 Hz
02/2025

Table of Contents

General Description	3
Manual	3
Table of Contents of the Manual(s)	3
Specifications	3

General Description

The Pneumatic Control Valve with Digital Positioner is an industrial bronze control globe valve designed for pressure, flow, level, and temperature control applications. This reliable valve features a durable construction, tight shutoff, and good control characteristics. The valve is of the equal percentage type and is normally open.

This model includes a digital valve controller which transforms a 4-20 mA input signal into a pneumatic output signal sent to the actuator of the control valve. The controller has a high-performance positioner (DVC 2000). This valve model supports the HART communication protocol.

Available Pneumatic Control Valves:

- 46950-0 Pneumatic Control Valve (with Digital Positioner, HART) - DVC 2000
- 46950-D Pneumatic Control Valve (with Digital Positioner, FOUNDATION Fieldbus) - DVC 6000
- 46950-E Pneumatic Control Valve (with Digital Positioner, HART) - DVC 6000

Manual

Description

Manual number

Control Valves (User Guide) _____ 585145 (86001-E0)

Table of Contents of the Manual(s)

Control Valves (User Guide) (585145 (86001-E0))

- 1 Basic Control Valve Theory
- 2 Basic Control Valve (46950-B)
- 3 Pneumatic Control Valve with a Positioner (46950-A)
- 4 Control Valve with DVC2000 (46950-0)
- 5 Control Valve with DVC6000 – HART/FF (46950-E/-D)
- 6 Control Valve with DVC6200 – HART/FF (46950-E/-D)
- 7 Electric Control Valve (46950-C)

Specifications

Parameter	Value
Input Signal	4-20 mA - HART
Actuator Pressure Range	20-90 kPa (3-13 psi)
Type of valve	Globe, equal percentage, normally open
Type of positioner	DVC 2000 digital positioner

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

Festo Didactic reserves the right to make product improvements at any time and without notice and is not responsible for typographical errors. Festo Didactic recognizes all product names used herein as trademarks or registered trademarks of their respective holders. © Festo Didactic Inc. 2025. All rights reserved.

Festo Didactic SE

Rechbergstrasse 3
73770 Denkendorf
Germany

P. +49(0)711/3467-0
F. +49(0)711/347-54-88500

Festo Didactic Inc.

607 Industrial Way West
Eatontown, NJ 07724
United States

P. +1-732-938-2000
F. +1-732-774-8573

Festo Didactic Ltée/Ltd

675 rue du Carbone
Québec QC G2N 2K7
Canada

P. +1-418-849-1000
F. +1-418-849-1666

www.labvolt.com

www.festo-didactic.com